

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022710.D
 Acq On : 16 Jun 2025 16:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
 Supervised By :Mahesh Dadoda 06/17/2025

Quant Time: Jun 17 05:56:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	137947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	236748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	203484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	98158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	79891	51.781	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.560%			
35) Dibromofluoromethane	7.640	113	74089	52.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.109	98	295921	51.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.402	95	85060	49.999	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	53360	43.205	ug/l	98
3) Chloromethane	2.068	50	197398	54.102	ug/l	99
4) Vinyl Chloride	2.202	62	242113	57.201	ug/l	99
5) Bromomethane	2.598	94	220975	54.469	ug/l	99
6) Chloroethane	2.733	64	183580	63.190	ug/l	95
7) Trichlorofluoromethane	3.050	101	216199	60.168	ug/l	97
8) Diethyl Ether	3.458	74	42296	52.268	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	74678	49.345	ug/l	99
10) Methyl Iodide	4.007	142	80934	49.418	ug/l	96
11) Tert butyl alcohol	4.891	59	28143	255.390	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	71802	49.635	ug/l	99
13) Acrolein	3.653	56	12062	87.831	ug/l	100
14) Allyl chloride	4.385	41	107347	47.269	ug/l	97
15) Acrylonitrile	5.068	53	90158	263.071	ug/l	99
16) Acetone	3.885	43	77215	246.431	ug/l	100
17) Carbon Disulfide	4.104	76	211760	45.723	ug/l	100
18) Methyl Acetate	4.391	43	49168	52.991	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	211954	52.020	ug/l	99
20) Methylene Chloride	4.610	84	94933	53.338	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	83360	51.487	ug/l	96
22) Diisopropyl ether	6.025	45	257814	51.002	ug/l	98
23) Vinyl Acetate	5.964	43	746275	249.432	ug/l	100
24) 1,1-Dichloroethane	5.915	63	155258	52.136	ug/l	100
25) 2-Butanone	6.896	43	116552	257.879	ug/l	99
26) 2,2-Dichloropropane	6.890	77	130505	49.599	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	99882	53.374	ug/l	99
28) Bromochloromethane	7.244	49	69854	53.812	ug/l	98
29) Tetrahydrofuran	7.274	42	73976	253.774	ug/l	98
30) Chloroform	7.427	83	161650	54.803	ug/l	96
31) Cyclohexane	7.701	56	129044	43.527	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	138210	52.784	ug/l	99
36) 1,1-Dichloropropene	7.841	75	114209	49.798	ug/l	99
37) Ethyl Acetate	6.988	43	53594	52.401	ug/l	99
38) Carbon Tetrachloride	7.823	117	118602	50.410	ug/l	94
39) Methylcyclohexane	9.109	83	142791	46.329	ug/l	97
40) Benzene	8.085	78	353278	52.152	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	27605	46.208	ug/l	92
42) 1,2-Dichloroethane	8.158	62	97435	52.679	ug/l	98
43) Isopropyl Acetate	8.201	43	110618	50.078	ug/l #	87
44) Trichloroethene	8.866	130	88158	53.249	ug/l	96
45) 1,2-Dichloropropane	9.146	63	84424	52.735	ug/l	97
46) Dibromomethane	9.231	93	48571	53.929	ug/l	98
47) Bromodichloromethane	9.426	83	125778	55.076	ug/l	96
48) Methyl methacrylate	9.225	41	49755m	47.993	ug/l	
49) 1,4-Dioxane	9.238	88	10690	1001.869	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	290539	263.816	ug/l	97
52) Toluene	10.170	92	220323	51.756	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	112095	52.386	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	129022	51.799	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	60981	53.099	ug/l	96
56) Ethyl methacrylate	10.438	69	88101	53.077	ug/l	98
57) 1,3-Dichloropropane	10.719	76	107943	53.030	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	224931	298.467	ug/l	99
59) 2-Hexanone	10.762	43	189682	257.533	ug/l	99
60) Dibromochloromethane	10.908	129	76892	52.685	ug/l	100
61) 1,2-Dibromoethane	11.018	107	56609	54.081	ug/l	95
64) Tetrachloroethene	10.646	164	105891	60.495	ug/l	98
65) Chlorobenzene	11.444	112	235204	52.235	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	79045	52.110	ug/l	98
67) Ethyl Benzene	11.518	91	431523	51.668	ug/l	100
68) m/p-Xylenes	11.627	106	330599	104.419	ug/l	98
69) o-Xylene	11.957	106	153726	51.787	ug/l	99
70) Styrene	11.969	104	257498	52.478	ug/l	99
71) Bromoform	12.133	173	42419	52.550	ug/l #	100
73) Isopropylbenzene	12.255	105	399654	49.592	ug/l	100
74) N-amyl acetate	12.072	43	101040	49.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	63203	47.785	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	50303m	44.795	ug/l	
77) Bromobenzene	12.530	156	86412	50.813	ug/l	99
78) n-propylbenzene	12.591	91	485449	49.320	ug/l	100
79) 2-Chlorotoluene	12.676	91	257235	49.309	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	313586	49.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	21628	46.511	ug/l	98
82) 4-Chlorotoluene	12.773	91	268269	49.849	ug/l	97
83) tert-Butylbenzene	12.999	119	280929	49.473	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	311927	49.294	ug/l	99
85) sec-Butylbenzene	13.176	105	428513	49.273	ug/l	100
86) p-Isopropyltoluene	13.292	119	353631	49.331	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	176700	51.283	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	167976	50.264	ug/l	99
89) n-Butylbenzene	13.615	91	335470	49.325	ug/l	99
90) Hexachloroethane	13.877	117	70503	50.519	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	149774	51.198	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	10404	54.027	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	81823	51.284	ug/l	96
94) Hexachlorobutadiene	15.023	225	44418	50.440	ug/l	96
95) Naphthalene	15.145	128	157488	51.437	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	69177	50.592	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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